

## WHAT IS CLAIMED IS:

1. An adhesive bandage of the type used on acute wounds, burn wounds and irritations comprising:
  - a first layer for covering the wound site and an area around the wound site, said first layer including a top surface and bottom surface;
  - a second adhesive layer over said first layer bottom surface, for adhering the adhesive bandage to a wound site;
  - a third absorbent layer over said second layer, for absorbing exudates from the wound site;
  - a fourth layer over said third absorbent layer for allowing limited flow of exudates from the wound site to the third layer; and
  - at least one each of a wound healing antimicrobial agent and a hemostatic agent, or a single wound healing agent with antimicrobial and hemostatic functionality, each agent associated with said adhesive bandage in a position where said agent will come in contact with the wound site, and which are transferable from the adhesive bandage to the wound site.
2. The adhesive bandage of claim 1 wherein said antimicrobial, hemostatic and single multifunctional wound healing agents are selected from the group consisting of chitosan niacinamide ascorbate salt, niacinamide ascorbate, and chitosan and combinations thereof.
3. The adhesive bandage of claim 2 wherein said multifunctional wound healing agent is chitosan niacinamide ascorbate salt.
4. The adhesive bandage of claim 2 wherein said multifunctional wound healing agent is a mixture of chitosan, niacinamide, and ascorbic acid.
5. The adhesive bandage of claim 1 wherein at least one of said wound healing antimicrobial agent and said hemostatic agent are located in a coating layer over said fourth layer.

6. The adhesive bandage of claim 1, wherein at least one of said wound healing antimicrobial agent and said hemostatic agent are located within said absorbent layer.

7. The adhesive bandage of claim 1, wherein at least one of the absorbent layer or perforated layer is made from, or includes a treatment of either a wound healing hemostatic agent, antimicrobial agent or both.

8. A method of producing an adhesive bandage for treating acute wounds burn wounds and irritations, consisting of the steps of:

a) providing an adhesive bandage which includes

a first layer for covering the wound site and an area around the wound site;

a second adhesive layer over said first layer, for adhering the adhesive bandage to a wound site;

a third absorbent layer over said second layer, for absorbing exudates from the wound site;

a fourth layer over said third absorbent layer for allowing limited flow of exudates from the wound site to the third layer;

and

b) treating either the absorbent layer, the fourth layer or both layers, so as to include at least one each of a wound healing hemostatic agent and an antimicrobial agent or a single wound healing agent with hemostatic and antimicrobial multifunctionality, which agent(s) are transferable from the adhesive bandage to the wound site.

9. The method of claim 8 wherein said wound healing agent is selected from the group consisting of chitosan niacinamide ascorbate salt, niacinamide ascorbate, and chitosan and combinations thereof.

10. The method of claim 9, wherein said wound healing agent is chitosan niacinamide ascorbate salt.

11. The method of claim 9, wherein said wound healing agent is a mixture of chitosan, niacinamide, and ascorbic acid.

12. A method of producing an adhesive bandage for treating acute wounds, burn wounds and irritations consisting of the steps of:

a) providing an adhesive bandage which includes

a first base layer for covering the wound site and an area round the wound site;

b) coating an adhesive layer over said first layer, for adhering the adhesive bandage to a wound site;

c) adhering a third absorbent layer over said second layer, for absorbing exudates from a wound site; said absorbent layer including either a hemostatic agent, antimicrobial agent or both, for transferring to a wound; and

d) adhering a fourth layer over said third absorbent layer for allowing limited flow of exudates from a wound site to the third absorbent layer, as well as transference of either said hemostatic agent and said antimicrobial agent to a wound.

13. A method of producing an adhesive bandage for treating acute wounds, burn wounds and irritations consisting of the steps of:

a) providing an adhesive bandage which includes

a first base layer for covering the wound site and an area round the wound site;

b) coating an adhesive layer over said first layer, for adhering the adhesive bandage to a wound site;

c) adhering a third absorbent layer over said second layer, for absorbing exudates from a wound site; and

d) adhering a fourth layer over said third absorbent layer, said fourth layer including either a hemostatic agent, antimicrobial agent or both, for transferring to a wound; and wherein said fourth layer allows

limited flow of exudates from a wound site to the third absorbent layer, as well as transferrance of said hemostatic agent and said antimicrobial agent to a wound.

5

14. A method of treating a acute wounds, burn wounds and irritations comprising the steps of: contacting an acute wound, burn wound and irritation with an adhesive bandage comprising:

a first layer for covering the wound site and an area around the wound site, said first layer including a top surface and bottom surface;

a second adhesive layer over said first layer bottom surface, for adhering the adhesive bandage to a wound site;

a third absorbent layer over said second layer, for absorbing exudates from the wound site;

a fourth layer over said third absorbent layer for allowing limited flow of exudates from the wound site to the third layer; and

at least one of an antimicrobial agent and a hemostatic agent each associated with said adhesive bandage in a position where said agent will come in contact with the wound site, and which are transferable from the adhesive bandage to the wound site.